HW#71: 45-45-90 Triangles Pt. II

Geometry

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.

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| --- | --- | --- | --- |
| Write the rule for finding the side lengths of a 45-45-90 triangle given the length of the hypotenuse. | | | |
| Draw at least 2 examples of your rule above. Label the angles and sides. | | | |
| ../../../Desktop/Screen%20Shot%202016-01-24%20at%209.50.46%20AM.png  ../../../Desktop/Screen%20Shot%202016-01-24%20at%209.50.35%20AM.png | | Explain the reasoning behind your answer choice in at least 2 complete sentences. | |
| Directions: Find the missing side lengths and show all work for how you calculated the missing side lengths. | | | |
| Find a and b.  ../../../Desktop/Screen%20Shot%202016-01-24%20at%2010.07.05%20AM.png  a =  b = | Find u and v.  ../../../Desktop/Screen%20Shot%202016-01-24%20at%2010.07.39%20AM.png  u =  v = | | Find x and y  ../../../Desktop/Screen%20Shot%202016-01-24%20at%2010.07.46%20AM.png  x =  y = |